









Present Achievements and Prospects in the Development and Usage of New Energy Sources in Niigata Prefecture "The Niigata Prefectural Guidelines concerning Promotion and Introduction of New Energy" (2001~)						
	New Energy	Year From Which Data Was Used to Form the Plan	Units	State at the Time the Plan Was Formed	At the End of Fiscal Year 2008	Goals for Usage by the End of Fiscal Year 2010
Renewable Energy	Solar Energy	1998	kW	520	14,019	84,520
	Solar Thermal Energy, Solar Thermal Systems	1998	k L	7,000	No Data Available	31,000
	Wind-Generated Energy	2000	kW	1,261	7,020	16,261
	Snow-Generated Energy	1999	t buildings	10,622 (18)	<u>23,754</u> (42)	<u>17,791</u> (48)
Recycled Energy	Waste-Generated Energy	2000	kW	35,000	37,850	40,000
	Biomass-Generated Energy	-	kW	-	200,600	No Set Goal
Alternative Usage Forms of Conventio- nal Energy	Natural Gas Cogeneration	1998	kW	24,000	49,001	94,000
	Fuel Cell	-	kW	-	262	21,000
	Clean Energy Automobile	2000	cars	736	9,426	85,736





Initiatives to Further Promote Alternative Energy Usage in Niigata Prefecture - Building a Mega Solar Power Plant in a Snowy Region



## Goal

Niigata will take a leading role in promoting the usage of solar power nationwide by **building** a mega solar power plant which is practical even in a snowy region as a pioneer, and proving its potential.

## **Project Scheme**

The Mega Solar Power Plant Project is currently undertaken by the Niigata Prefectural Government with the cooperation of the Showa Shell Sekyu K.K, setting the goal of operation starting in September 2010. The estimated solar power output of this plant is expected to be 1MW.



Image of the Mega Solar Power Plant





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Hydropower equipment to generate 8.9kW power utilizing small rivers as sources



Panoramic view of the above hydropower equipment



Hydropower equipment to generate 160W power utilizing a sewage treatment plant as a source.

Evaluation of the sufficiency of water resources available is currently undergoing in Niigata

